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NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 FEB 25 CA/CAPLUS - Russian Agency for Patents and Trademarks
(ROSPATENT) added to list of core patent offices covered
NEWS 4 FEB 28 PATDPAFULL - New display fields provide for legal status
data from INPADOC
NEWS 5 FEB 28 BABS - Current-awareness alerts (SDIs) available
NEWS 6 FEB 28 MEDLINE/LMEDLINE reloaded
NEWS 7 MAR 02 GBFULL: New full-text patent database on STN
NEWS 8 MAR 03 REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS 9 MAR 03 MEDLINE file segment of TOXCENTER reloaded
NEWS 10 MAR 22 KOREPAT now updated monthly; patent information enhanced
NEWS 11 MAR 22 Original IDE display format returns to REGISTRY/ZREGISTRY
NEWS 12 MAR 22 PATDPASPC - New patent database available
NEWS 13 MAR 22 REGISTRY/ZREGISTRY enhanced with experimental property tags
NEWS 14 APR 04 EPFULL enhanced with additional patent information and new
fields
NEWS 15 APR 04 EMBASE - Database reloaded and enhanced
NEWS 16 APR 18 New CAS Information Use Policies available online

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT
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AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

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FILE 'HOME' ENTERED AT 16:47:48 ON 20 APR 2005

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=> s nonarticular cartilage and (regeneration or repair or growth)
L1 11 NONARTICULAR CARTILAGE AND (REGENERATION OR REPAIR OR GROWTH)

=> d 11 ti abs ibib tot

L1 ANSWER 1 OF 11 MEDLINE on STN

TI Structure and chromosomal location of the human gene encoding cartilage matrix protein.

AB Cartilage matrix protein (CMP) is a major component of the extracellular matrix of **nonarticular cartilage**. The structure and chromosomal location of the human gene encoding CMP was determined by molecular cloning analysis. We used a partial chicken CMP cDNA probe to isolate three overlapping human genomic clones. From one of these clones, a probe containing 2 human CMP exons was isolated and used to map the gene to chromosome 1p35 and to screen a human retina cDNA library. Two overlapping cDNA clones were isolated. The predicted protein sequence of 496 amino acids includes a 22-residue signal peptide and a 474-residue mature protein of Mr 51,344. The human CMP gene and polypeptide are strikingly similar to the chicken CMP gene and polypeptide. Human CMP is 79% identical to chicken CMP and contains two homologous domains separated by an epidermal **growth factor-like domain**. One potential N-glycosylation site is conserved between the two species. The human CMP gene spans 12 kilobase pairs with 8 exons and 7 introns which are similar in size to those of the chicken CMP gene. Both RNA splice junctions of intron G in the human and chicken CMP genes are nonconforming to the consensus splice sequences. This suggests that the CMP gene utilizes a new RNA splicing mechanism.

ACCESSION NUMBER: 91060568 MEDLINE

DOCUMENT NUMBER: PubMed ID: 2246248

TITLE: Structure and chromosomal location of the human gene encoding cartilage matrix protein.

AUTHOR: Jenkins R N; Osborne-Lawrence S L; Sinclair A K; Eddy R L Jr; Byers M G; Shows T B; Duby A D

CORPORATE SOURCE: Harold C. Simmons Arthritis Research Center, Dallas, Texas.

CONTRACT NUMBER: GM2040454 (NIGMS)

SOURCE: Journal of biological chemistry, (1990 Nov 15) 265 (32) 19624-31.

Journal code: 2985121R. ISSN: 0021-9258.

PUB. COUNTRY: United States

DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)

LANGUAGE: English

FILE SEGMENT: Priority Journals

OTHER SOURCE: GENBANK-J05666; GENBANK-J05667; GENBANK-M55675;
GENBANK-M55676; GENBANK-M55677; GENBANK-M55678;
GENBANK-M55679; GENBANK-M55680; GENBANK-M55681;
GENBANK-M55682; GENBANK-M55683

ENTRY MONTH: 199101
ENTRY DATE: Entered STN: 19910222
Last Updated on STN: 19910222
Entered Medline: 19910108

L1 ANSWER 2 OF 11 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
TI STRUCTURE AND CHROMOSOMAL LOCATION OF THE HUMAN GENE ENCODING CARTILAGE
MATRIX PROTEIN.
AB Cartilage matrix protein (CMP) is a major component of the extracellular matrix of **nonarticular cartilage**. The structure and chromosomal location of the human gene encoding CMP was determined by molecular cloning analysis. We used a partial chicken CMP cDNA probe to isolate three overlapping human genomic clones. From one of these clones, probe containing 2 human CMP exons was isolated and used to map the gene to chromosome 1p35 and to screen a human retina cDNA library. Two overlapping cDNA clones were isolated. The predicted protein sequence of 496 amino acids includes a 22-residue signal peptide and a 474-residue mature protein of Mr 51,344. The human CMP gene and polypeptide are strikingly similar to the chicken CMP gene and polypeptide. Human CMP is 79% identical to chicken CMP and contains two homologous domains separated by an epidermal **growth factor-like** domain. One potential N-glycosylation site is conserved between the two species. The human CMP gene spans 12 kilobase pairs with 8 exons and 7 introns which are similar in size to those of the chicken CMP gene. Both RNA splice junctions of intron G in the human and chicken CMP genes are nonconforming to the consensus splice sequences. This suggests that the CMP gene utilizes a new RNA splicing mechanism.

ACCESSION NUMBER: 1991:48847 BIOSIS
DOCUMENT NUMBER: PREV199191027128; BA91:27128
TITLE: STRUCTURE AND CHROMOSOMAL LOCATION OF THE HUMAN GENE
ENCODING CARTILAGE MATRIX PROTEIN.
AUTHOR(S): JENKINS R N [Reprint author]; OSBORNE-LAWRENCE S L;
SINCLAIR A K; EDDY R L JR; BYERS M G; SHOWS T B; DUBY A D
CORPORATE SOURCE: DEP INTERN MED, UNIV TEX SOUTHWESTERN MED CENT, 5323 HARRY
HINES BLVD, DALLAS, TEX 75235-8884, USA
SOURCE: Journal of Biological Chemistry, (1990) Vol. 265, No. 32,
pp. 19624-19631.
CODEN: JBCHA3. ISSN: 0021-9258.
DOCUMENT TYPE: Article
FILE SEGMENT: BA
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 10 Jan 1991
Last Updated on STN: 10 Jan 1991

L1 ANSWER 3 OF 11 USPATFULL on STN
TI Novel compounds
AB Polypeptides and polynucleotides of the genes set forth in Table 1 and methods for producing such polypeptides by recombinant techniques are disclosed. Also disclosed are methods for utilizing polypeptides and polynucleotides of the genes set forth in Table 1 in diagnostic assays.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:201585 USPATFULL
TITLE: Novel compounds
INVENTOR(S): Agarwal, Panjak, King of Prussia, PA, UNITED STATES
Kabnick, Karen S., Lafayette Hill, PA, UNITED STATES
Lai, Ying-Ta, Upper Darby, PA, UNITED STATES
Murdock, Paul R., Harlow Essex, UNITED KINGDOM
Rizvi, Safia K., Philadelphia, PA, UNITED STATES
Smith, Randall F., Lafayette Hill, PA, UNITED STATES
Xiang, Zhaoying, Fort Lee, NJ, UNITED STATES

| | NUMBER | KIND | DATE |
|---------------------|----------------|------|---------------|
| PATENT INFORMATION: | US 2003139572 | A1 | 20030724 |
| APPLICATION INFO.: | US 2002-239663 | A1 | 20020924 (10) |
| | WO 2001-US9226 | | 20010322 |
| DOCUMENT TYPE: | Utility | | |

FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: SMITHKLINE BEECHAM CORPORATION, CORPORATE INTELLECTUAL PROPERTY-US, UW2220, P. O. BOX 1539, KING OF PRUSSIA, PA, 19406-0939
NUMBER OF CLAIMS: 7
EXEMPLARY CLAIM: 1
LINE COUNT: 4961
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 4 OF 11 USPATFULL on STN

TI 87 human secreted proteins

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:100295 USPATFULL

TITLE: 87 human secreted proteins

INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES

Greene, John M., Gaithersburg, MD, UNITED STATES

Ferrie, Ann M., Painted Post, NY, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Duan, Roxanne, Gaithersburg, MD, UNITED STATES

Hu, Jing-Shan, Mountain View, CA, UNITED STATES

Florence, Kimberly, Rockville, MD, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Brewer, Laurie A., St. Paul, MN, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Lafleur, David W., Washington, DC, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2003069406 A1 20030410

APPLICATION INFO.: US 2002-143090 A1 20020513 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

NUMBER DATE

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
US 1997-42344P 19970321 (60)
US 1997-41276P 19970321 (60)
US 1997-41281P 19970321 (60)
US 1997-48094P 19970530 (60)
US 1997-48350P 19970530 (60)
US 1997-48188P 19970530 (60)
US 1997-48135P 19970530 (60)
US 1997-50937P 19970530 (60)
US 1997-48187P 19970530 (60)
US 1997-48099P 19970530 (60)
US 1997-48352P 19970530 (60)
US 1997-48186P 19970530 (60)
US 1997-48069P 19970530 (60)
US 1997-48095P 19970530 (60)
US 1997-48131P 19970530 (60)
US 1997-48096P 19970530 (60)
US 1997-48355P 19970530 (60)

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|----------------|---------------|
| US 1997-48160P | 19970530 (60) |
| US 1997-48351P | 19970530 (60) |
| US 1997-48154P | 19970530 (60) |
| US 1997-54804P | 19970805 (60) |
| US 1997-56370P | 19970819 (60) |
| US 1997-60862P | 19971002 (60) |

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

LINE COUNT: 15137

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 5 OF 11 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:87011 USPATFULL

TITLE: Secreted protein HFEAF41

INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
 Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksbury, MA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Laurie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2003060619 A1 20030327

APPLICATION INFO.: US 2001-983966 A1 20011026 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
 US 1997-42344P 19970321 (60)
 US 1997-41276P 19970321 (60)
 US 1997-41281P 19970321 (60)
 US 1997-48094P 19970530 (60)
 US 1997-48350P 19970530 (60)
 US 1997-48188P 19970530 (60)
 US 1997-48135P 19970530 (60)
 US 1997-50937P 19970530 (60)
 US 1997-48187P 19970530 (60)
 US 1997-48099P 19970530 (60)
 US 1997-48352P 19970530 (60)
 US 1997-48186P 19970530 (60)
 US 1997-48069P 19970530 (60)

US 1997-48095P 19970530 (60)
US 1997-48131P 19970530 (60)
US 1997-48096P 19970530 (60)
US 1997-48355P 19970530 (60)
US 1997-48160P 19970530 (60)
US 1997-48351P 19970530 (60)
US 1997-48154P 19970530 (60)
US 1997-54804P 19970805 (60)
US 1997-56370P 19970819 (60)
US 1997-60862P 19971002 (60)

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

Human Genome Sciences, Inc., 9410 Key West Avenue,
Rockville, MD, 20850

NUMBER OF CLAIMS:

70

EXEMPLARY CLAIM:

1

LINE COUNT:

15264

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 6 OF 11 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:72174 USPATFULL

TITLE: Secreted protein HFEAF41

INVENTOR(S):
Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Lauie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

| NUMBER | KIND | DATE |
|--------|-------|-------|
| ----- | ----- | ----- |

PATENT INFORMATION: US 2003050461 A1 20030313

APPLICATION INFO.: US 2001-966262 A1 20011001 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

| NUMBER | DATE |
|--------|-------|
| ----- | ----- |

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
US 1997-42344P 19970321 (60)
US 1997-41276P 19970321 (60)
US 1997-41281P 19970321 (60)
US 1997-48094P 19970530 (60)
US 1997-48350P 19970530 (60)
US 1997-48188P 19970530 (60)
US 1997-48135P 19970530 (60)
US 1997-50937P 19970530 (60)
US 1997-48187P 19970530 (60)

US 1997-48099P 19970530 (60)
US 1997-48352P 19970530 (60)
US 1997-48186P 19970530 (60)
US 1997-48069P 19970530 (60)
US 1997-48095P 19970530 (60)
US 1997-48131P 19970530 (60)
US 1997-48096P 19970530 (60)
US 1997-48355P 19970530 (60)
US 1997-48160P 19970530 (60)
US 1997-48351P 19970530 (60)
US 1997-48154P 19970530 (60)
US 1997-54804P 19970805 (60)
US 1997-56370P 19970819 (60)
US 1997-60862P 19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 46
EXEMPLARY CLAIM: 1
LINE COUNT: 15105
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 7 OF 11 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:24336 USPATFULL
TITLE: Secreted protein HFEAF41
INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Lauie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, VA, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD (U.S. corporation)

| NUMBER | KIND | DATE |
|---|------|---------------|
| US 2003018180 | A1 | 20030123 |
| US 2002-59395 | A1 | 20020131 (10) |
| RELATED APPLN. INFO.: Division of Ser. No. US 2001-966262, filed on 1 Oct 2001, PENDING Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN | | |

| NUMBER | DATE |
|----------------|---------------|
| US 1997-41277P | 19970321 (60) |
| US 1997-42344P | 19970321 (60) |
| US 1997-41276P | 19970321 (60) |

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|----------------|---------------|
| US 1997-41281P | 19970321 (60) |
| US 1997-48094P | 19970530 (60) |
| US 1997-48350P | 19970530 (60) |
| US 1997-48188P | 19970530 (60) |
| US 1997-48135P | 19970530 (60) |
| US 1997-50937P | 19970530 (60) |
| US 1997-48187P | 19970530 (60) |
| US 1997-48099P | 19970530 (60) |
| US 1997-48352P | 19970530 (60) |
| US 1997-48186P | 19970530 (60) |
| US 1997-48069P | 19970530 (60) |
| US 1997-48095P | 19970530 (60) |
| US 1997-48131P | 19970530 (60) |
| US 1997-48096P | 19970530 (60) |
| US 1997-48355P | 19970530 (60) |
| US 1997-48160P | 19970530 (60) |
| US 1997-48351P | 19970530 (60) |
| US 1997-48154P | 19970530 (60) |
| US 1997-54804P | 19970805 (60) |
| US 1997-56370P | 19970819 (60) |
| US 1997-60862P | 19971002 (60) |

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS:

52

EXEMPLARY CLAIM:

1

LINE COUNT:

15142

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 8 OF 11 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:295324 USPATFULL

SECRETED PROTEIN HFEAF41

TITLE: Young, Paul, Gaithersburg, MD, UNITED STATES
INVENTOR(S): Greene, John M., Gaithersburg, MD, UNITED STATES
 Ferrie, Ann M., Tewksburg, MA, UNITED STATES
 Ruben, Steven M., Olney, MD, UNITED STATES
 Rosen, Craig A., Laytonsville, MD, UNITED STATES
 Duan, Roxanne, Bethesda, MD, UNITED STATES
 Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
 Florence, Kimberly, Rockville, MD, UNITED STATES
 Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
 Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
 Brewer, Lauie A., St. Paul, MN, UNITED STATES
 Moore, Paul A., Germantown, MD, UNITED STATES
 Shi, Yanggu, Gaithersburg, MD, UNITED STATES
 Lafleur, David W., Washington, DC, UNITED STATES
 Ni, Jian, Rockville, MD, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2002165374 A1 20021107

APPLICATION INFO.: US 2001-984245 A1 20011029 (9)

RELATED APPLN. INFO.: Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
US 1997-42344P 19970321 (60)
US 1997-41276P 19970321 (60)
US 1997-41281P 19970321 (60)
US 1997-48094P 19970530 (60)
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US 1997-48131P 19970530 (60)
US 1997-48096P 19970530 (60)
US 1997-48355P 19970530 (60)
US 1997-48160P 19970530 (60)
US 1997-48351P 19970530 (60)
US 1997-48154P 19970530 (60)
US 1997-54804P 19970805 (60)
US 1997-56370P 19970819 (60)
US 1997-60862P 19971002 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

LINE COUNT: 15075

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 9 OF 11 USPATFULL on STN

TI Repair of larynx, trachea, and other fibrocartilaginous
tissues

AB Provided herein are methods and devices for inducing the formation of
functional replacement **nonarticular cartilage**
tissues and ligament tissues. These methods and devices involve the use
of osteogenic proteins, and are useful in repairing defects in the
larynx, trachea, interarticular menisci, intervertebral discs, ear,
nose, ribs and other fibrocartilaginous tissues in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:165613 USPATFULL

TITLE: Repair of larynx, trachea, and other
fibrocartilaginous tissues

INVENTOR(S): Vukicevic, Slobodan, Zagreb, Croatia
Katic, Vladimir, Zagreb, Croatia

PATENT ASSIGNEE(S): Sampath, Kuber T., Holliston, MA, United States
Creative BioMolecules, Inc. (non-U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2001024823 A1 20010927

APPLICATION INFO.: US 2001-828607 A1 20010406 (9)

RELATED APPLN. INFO.: Continuation of Ser. No. WO 1999-US17222, filed on 30
Jul 1999, UNKNOWN

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 1998-103161P 19981006 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR,
NEW YORK, NY, 10020-1105

NUMBER OF CLAIMS: 56

EXEMPLARY CLAIM: 1
LINE COUNT: 1859
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L1 ANSWER 10 OF 11 EMBASE COPYRIGHT 2005 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
TI Structure and chromosomal location of the human gene encoding cartilage
matrix protein.
AB Cartilage matrix protein (CMP) is a major component of the extracellular
matrix of **nonarticular cartilage**. The structure and
chromosomal location of the human gene encoding CMP was determined by
molecular cloning analysis. We used a partial chicken CMP cDNA probe to
isolate three overlapping human genomic clones. From one of these clones,
a probe containing 2 human CMP exons was isolated and used to map the gene
to chromosome 1p35 and to screen a human retina cDNA library. Two
overlapping cDNA clones were isolated. The predicted protein sequence of
496 amino acids includes a 22-residue signal peptide and a 474-residue
mature protein of M(r) 51,344. The human CMP gene and polypeptide are
strikingly similar to the chicken CMP gene and polypeptide. Human CMP is
79% identical to chicken CMP and contains two homologous domains separated
by an epidermal **growth factor-like** domain. One potential
N-glycosylation site is conserved between the two species. The human CMP
gene spans 12 kilobase pairs with 8 exons and 7 introns which are similar
in size to those of the chicken CMP gene. Both RNA splice junctions of
intron G in the human and chicken CMP genes are nonconforming to the
consensus splice sequences. This suggests that the CMP gene utilizes a
new RNA splicing mechanism.

ACCESSION NUMBER: 91017066 EMBASE

DOCUMENT NUMBER: 1991017066

TITLE: Structure and chromosomal location of the human gene
encoding cartilage matrix protein.

AUTHOR: Jenkins R.N.; Osborne-Lawrence S.L.; Sinclair A.K.; Eddy
Jr. R.L.; Byers M.G.; Shows T.B.; Duby A.D.

CORPORATE SOURCE: Department of Internal Medicine, University of Texas
Southwestern Medical Center, 5323 Harry Hines Blvd.,
Dallas, TX 75235, United States

SOURCE: Journal of Biological Chemistry, (1990) Vol. 265, No. 32,
pp. 19624-19631.

ISSN: 0021-9258 CODEN: JBCHA3

COUNTRY: United States

DOCUMENT TYPE: Journal; Article

FILE SEGMENT: 029 Clinical Biochemistry

LANGUAGE: English

SUMMARY LANGUAGE: English

ENTRY DATE: Entered STN: 911216

Last Updated on STN: 911216

L1 ANSWER 11 OF 11 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN

TI Novel methods for repairing a defect in mammalian **nonarticular**
cartilage tissue or ligaments using an osteogenic protein in a
biocompatible, bioresorbable carrier.

AN 2000-317644 [27] WPIDS

CR 2000-317706 [27]

AB WO 200020021 A UPAB: 20041026

NOVELTY - Repairing a defect in a **nonarticular cartilage**
tissue or a ligament of a mammal, comprising providing an osteogenic
protein in a biocompatible, bioresorbable carrier to the defect locus,
inducing the formation of functional replacement cartilage, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the
following:

(1) an implantable device for repairing a defect in a
nonarticular cartilage tissue comprising an osteogenic
protein disposed in a devitalized cartilage, a collagen carrier, or a
carboxymethylcellulose carrier; and

(2) promoting chondrogenesis at a defect locus in a mammal comprising
providing an osteogenic protein in a devitalized cartilage carrier that is
configured to fit into the defect locus.

ACTIVITY - Osteogenic; chondrogenic.

MECHANISM OF ACTION - Osteopathic stimulating implant;
transplantation.

USE - The methods and implants are useful for repairing or correcting a defect in a **nonarticular cartilage** tissue or a ligament of a mammal, e.g. cleft larynx, edema of the glottis, ulceration of the larynx caused by syphilis, tuberculosis or malignancy, defects resulting from mechanical trauma to the larynx or trachea (including tracheotomy and laryngotomy), laryngeal cancer, and defects of the ear, nose, ribs, invertebral discs, and interarticular menisci.

Dwg. 0/0

ACCESSION NUMBER: 2000-317644 [27] WPIDS
CROSS REFERENCE: 2000-317706 [27]
DOC. NO. CPI: C2000-096081
TITLE: Novel methods for repairing a defect in mammalian **nonarticular cartilage** tissue or ligaments using an osteogenic protein in a biocompatible, bioresorbable carrier.
DERWENT CLASS: A96 B04 D22
INVENTOR(S): AN, H; MASUDA, K; THONAR, E J A; KATIC, V; SAMPATH, K T; VUKICEVIC, S
PATENT ASSIGNEE(S): (ANHH-I) AN H; (RUSH-N) RUSH PRESBYTERIAN ST LUKE MEDICAL CENT; (STYC) STRYKER CORP; (CREA-N) CREATIVE BIOMOLECULES INC
COUNTRY COUNT: 23
PATENT INFORMATION:

| PATENT NO | KIND | DATE | WEEK | LA | PG |
|---|------|---------------------|-------|----|----|
| WO 2000020021 | A1 | 20000413 (200027)* | EN 64 | | |
| RW: AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE | | | | | |
| W: AU CA JP US | | | | | |
| AU 9952417 | A | 20000426 (200036) | | | |
| EP 1117422 | A1 | 20010725 (200143) | EN | | |
| R: AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE | | | | | |
| US 2001024823 | A1 | 20010927 (200159) | | | |
| JP 2002526167 | W | 20020820 (200258) | 70 | | |
| AU 772479 | B2 | 20040429 (200457) | | | |
| AU 2004202345 | A1 | 20040624 (200468) # | | | |

APPLICATION DETAILS:

| PATENT NO | KIND | APPLICATION | DATE |
|---------------|----------------|-----------------|----------|
| WO 2000020021 | A1 | WO 1999-US17222 | 19990730 |
| AU 9952417 | A | AU 1999-52417 | 19990730 |
| EP 1117422 | A1 | EP 1999-937624 | 19990730 |
| | | WO 1999-US17222 | 19990730 |
| US 2001024823 | A1 Provisional | US 1998-103161P | 19981006 |
| | Cont of | WO 1999-US17222 | 19990730 |
| | | US 2001-828607 | 20010406 |
| JP 2002526167 | W | WO 1999-US17222 | 19990730 |
| | | JP 2000-573380 | 19990730 |
| AU 772479 | B2 | AU 1999-52417 | 19990730 |
| AU 2004202345 | A1 | AU 2004-202345 | 20040526 |

FILING DETAILS:

| PATENT NO | KIND | PATENT NO |
|---------------|-------------------|---------------|
| AU 9952417 | A Based on | WO 2000020021 |
| EP 1117422 | A1 Based on | WO 2000020021 |
| JP 2002526167 | W Based on | WO 2000020021 |
| AU 772479 | B2 Previous Publ. | AU 9952417 |
| | Based on | WO 2000020021 |
| AU 2004202345 | A1 Div ex | AU 770725 |

PRIORITY APPLN. INFO: US 1998-103161P 19981006; US
2001-828607 20010406; AU

=> d his

(FILE 'HOME' ENTERED AT 16:47:48 ON 20 APR 2005)

FILE 'MEDLINE, BIOSIS, USPATFULL, DGENE, EMBASE, WPIDS, BIOTECHDS,
JICST-EPLUS, BIOBUSINESS' ENTERED AT 16:50:30 ON 20 APR 2005

L1 11 S NONARTICULAR CARTILAGE AND (REGENERATION OR REPAIR OR GROWTH)

=> s bicompatible and (bioresorbable carrier and osteogenic device)

3 FILES SEARCHED...

L2 0 BICOMPATIBLE AND (BIORESORBABLE CARRIER AND OSTEOGENIC DEVICE)

=> s cartilage repair or regrowth or regeneration

L3 454498 CARTILAGE REPAIR OR REGROWTH OR REGENERATION

=> s 13 and nonarticular cartilage

L4 6 L3 AND NONARTICULAR CARTILAGE

=> d 14 ti abs ibib tot

L4 ANSWER 1 OF 6 USPATFULL on STN

TI 87 human secreted proteins

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:100295 USPATFULL

TITLE: 87 human secreted proteins

INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES

Greene, John M., Gaithersburg, MD, UNITED STATES

Ferrie, Ann M., Painted Post, NY, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Duan, Roxanne, Gaithersburg, MD, UNITED STATES

Hu, Jing-Shan, Mountain View, CA, UNITED STATES

Florence, Kimberly, Rockville, MD, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Brewer, Laurie A., St. Paul, MN, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES

Shi, Yanggu, Gaithersburg, MD, UNITED STATES

Lafleur, David W., Washington, DC, UNITED STATES

Ni, Jian, Germantown, MD, UNITED STATES

PATENT ASSIGNEE(S): Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

PATENT INFORMATION: US 2003069406 A1 20030410

APPLICATION INFO.: US 2002-143090 A1 20020513 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
US 1997-42344P 19970321 (60)
US 1997-41276P 19970321 (60)
US 1997-41281P 19970321 (60)

| | |
|----------------|---------------|
| US 1997-48094P | 19970530 (60) |
| US 1997-48350P | 19970530 (60) |
| US 1997-48188P | 19970530 (60) |
| US 1997-48135P | 19970530 (60) |
| US 1997-50937P | 19970530 (60) |
| US 1997-48187P | 19970530 (60) |
| US 1997-48099P | 19970530 (60) |
| US 1997-48352P | 19970530 (60) |
| US 1997-48186P | 19970530 (60) |
| US 1997-48069P | 19970530 (60) |
| US 1997-48095P | 19970530 (60) |
| US 1997-48131P | 19970530 (60) |
| US 1997-48096P | 19970530 (60) |
| US 1997-48355P | 19970530 (60) |
| US 1997-48160P | 19970530 (60) |
| US 1997-48351P | 19970530 (60) |
| US 1997-48154P | 19970530 (60) |
| US 1997-54804P | 19970805 (60) |
| US 1997-56370P | 19970819 (60) |
| US 1997-60862P | 19971002 (60) |

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850
NUMBER OF CLAIMS: 23
EXEMPLARY CLAIM: 1
LINE COUNT: 15137
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 2 OF 6 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:87011 USPATFULL

TITLE: Secreted protein HFEAF41

INVENTOR(S):
Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Laurie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

| NUMBER | KIND | DATE |
|--------|------|------|
|--------|------|------|

US 2003060619 A1 20030327

US 2001-983966 A1 20011026 (9)

PATENT INFORMATION:
APPLICATION INFO.:
RELATED, APPLN. INFO.: Division of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN

| NUMBER | DATE |
|--------|------|
|--------|------|

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
US 1997-42344P 19970321 (60)
US 1997-41276P 19970321 (60)
US 1997-41281P 19970321 (60)
US 1997-48094P 19970530 (60)
US 1997-48350P 19970530 (60)
US 1997-48188P 19970530 (60)
US 1997-48135P 19970530 (60)
US 1997-50937P 19970530 (60)
US 1997-48187P 19970530 (60)
US 1997-48099P 19970530 (60)
US 1997-48352P 19970530 (60)
US 1997-48186P 19970530 (60)
US 1997-48069P 19970530 (60)
US 1997-48095P 19970530 (60)
US 1997-48131P 19970530 (60)
US 1997-48096P 19970530 (60)
US 1997-48355P 19970530 (60)
US 1997-48160P 19970530 (60)
US 1997-48351P 19970530 (60)
US 1997-48154P 19970530 (60)
US 1997-54804P 19970805 (60)
US 1997-56370P 19970819 (60)
US 1997-60862P 19971002 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Human Genome Sciences, Inc., 9410 Key West Avenue,
Rockville, MD, 20850
NUMBER OF CLAIMS: 70
EXEMPLARY CLAIM: 1
LINE COUNT: 15264
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 3 OF 6 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:72174 USPATFULL
TITLE: Secreted protein HFEAF41
INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Tewksbury, MA, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Lauie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2003050461 A1 20030313
APPLICATION INFO.: US 2001-966262 A1 20011001 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO

| | NUMBER | DATE |
|-----------------------|----------------|---------------|
| PRIORITY INFORMATION: | US 1997-41277P | 19970321 (60) |
| | US 1997-42344P | 19970321 (60) |
| | US 1997-41276P | 19970321 (60) |
| | US 1997-41281P | 19970321 (60) |
| | US 1997-48094P | 19970530 (60) |
| | US 1997-48350P | 19970530 (60) |
| | US 1997-48188P | 19970530 (60) |
| | US 1997-48135P | 19970530 (60) |
| | US 1997-50937P | 19970530 (60) |
| | US 1997-48187P | 19970530 (60) |
| | US 1997-48099P | 19970530 (60) |
| | US 1997-48352P | 19970530 (60) |
| | US 1997-48186P | 19970530 (60) |
| | US 1997-48069P | 19970530 (60) |
| | US 1997-48095P | 19970530 (60) |
| | US 1997-48131P | 19970530 (60) |
| | US 1997-48096P | 19970530 (60) |
| | US 1997-48355P | 19970530 (60) |
| | US 1997-48160P | 19970530 (60) |
| | US 1997-48351P | 19970530 (60) |
| | US 1997-48154P | 19970530 (60) |
| | US 1997-54804P | 19970805 (60) |
| | US 1997-56370P | 19970819 (60) |
| | US 1997-60862P | 19971002 (60) |

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 46

EXEMPLARY CLAIM: 1

LINE COUNT: 15105

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 4 OF 6 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to 87 novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2003:24336 USPATFULL

TITLE: Secreted protein HFEAF41

INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES
Greene, John M., Gaithersburg, MD, UNITED STATES
Ferrie, Ann M., Painted Post, NY, UNITED STATES
Ruben, Steven M., Olney, MD, UNITED STATES
Rosen, Craig A., Laytonsville, MD, UNITED STATES
Duan, Roxanne, Bethesda, MD, UNITED STATES
Hu, Jing-Shan, Mountain View, CA, UNITED STATES
Florence, Kimberly, Rockville, MD, UNITED STATES
Olsen, Henrik S., Gaithersburg, MD, UNITED STATES
Ebner, Reinhard, Gaithersburg, MD, UNITED STATES
Brewer, Lauie A., St. Paul, MN, UNITED STATES
Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, VA, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Germantown, MD, UNITED STATES
Human Genome Sciences, Inc., Rockville, MD (U.S.
corporation)

PATENT ASSIGNEE(S):

| | NUMBER | KIND | DATE |
|-----------------------|---|------|---------------|
| PATENT INFORMATION: | US 2003018180 | A1 | 20030123 |
| APPLICATION INFO.: | US 2002-59395 | A1 | 20020131 (10) |
| RELATED APPLN. INFO.: | Division of Ser. No. US 2001-966262, filed on 1 Oct 2001, PENDING Continuation of Ser. No. US 1998-154707, filed on 17 Sep 1998, PENDING Continuation-in-part of Ser. No. WO 1998-US5311, filed on 19 Mar 1998, UNKNOWN | | |

| | NUMBER | DATE |
|-----------------------|----------------|---------------|
| PRIORITY INFORMATION: | US 1997-41277P | 19970321 (60) |
| | US 1997-42344P | 19970321 (60) |
| | US 1997-41276P | 19970321 (60) |
| | US 1997-41281P | 19970321 (60) |
| | US 1997-48094P | 19970530 (60) |
| | US 1997-48350P | 19970530 (60) |
| | US 1997-48188P | 19970530 (60) |
| | US 1997-48135P | 19970530 (60) |
| | US 1997-50937P | 19970530 (60) |
| | US 1997-48187P | 19970530 (60) |
| | US 1997-48099P | 19970530 (60) |
| | US 1997-48352P | 19970530 (60) |
| | US 1997-48186P | 19970530 (60) |
| | US 1997-48069P | 19970530 (60) |
| | US 1997-48095P | 19970530 (60) |
| | US 1997-48131P | 19970530 (60) |
| | US 1997-48096P | 19970530 (60) |
| | US 1997-48355P | 19970530 (60) |
| | US 1997-48160P | 19970530 (60) |
| | US 1997-48351P | 19970530 (60) |
| | US 1997-48154P | 19970530 (60) |
| | US 1997-54804P | 19970805 (60) |
| | US 1997-56370P | 19970819 (60) |
| | US 1997-60862P | 19971002 (60) |

DOCUMENT TYPE:

Utility

FILE SEGMENT:

APPLICATION

LEGAL REPRESENTATIVE:

HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS:

52

EXEMPLARY CLAIM:

1

LINE COUNT:

15142

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 5 OF 6 USPATFULL on STN

TI Secreted protein HFEAF41

AB The present invention relates to novel human secreted proteins and isolated nucleic acids containing the coding regions of the genes encoding such proteins. Also provided are vectors, host cells, antibodies, and recombinant methods for producing human secreted proteins. The invention further relates to diagnostic and therapeutic methods useful for diagnosing and treating disorders related to these novel human secreted proteins.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2002:295324 USPATFULL

TITLE: Secreted protein HFEAF41

INVENTOR(S): Young, Paul, Gaithersburg, MD, UNITED STATES

Greene, John M., Gaithersburg, MD, UNITED STATES

Ferrie, Ann M., Tewksbury, MA, UNITED STATES

Ruben, Steven M., Olney, MD, UNITED STATES

Rosen, Craig A., Laytonsville, MD, UNITED STATES

Duan, Roxanne, Bethesda, MD, UNITED STATES

Hu, Jing-Shan, Sunnyvale, CA, UNITED STATES

Florence, Kimberly, Rockville, MD, UNITED STATES

Olsen, Henrik S., Gaithersburg, MD, UNITED STATES

Ebner, Reinhard, Gaithersburg, MD, UNITED STATES

Brewer, Lauie A., St. Paul, MN, UNITED STATES

Moore, Paul A., Germantown, MD, UNITED STATES
Shi, Yanggu, Gaithersburg, MD, UNITED STATES
Lafleur, David W., Washington, DC, UNITED STATES
Ni, Jian, Rockville, MD, UNITED STATES

NUMBER KIND DATE

PATENT INFORMATION: US 2002165374 A1 20021107
APPLICATION INFO.: US 2001-984245 A1 20011029 (9)
RELATED APPLN. INFO.: Division of Ser. No. US 1998-154707, filed on 17 Sep
1998, PENDING Continuation-in-part of Ser. No. WO
1998-US5311, filed on 19 Mar 1998, UNKNOWN

NUMBER DATE

PRIORITY INFORMATION: US 1997-41277P 19970321 (60)
US 1997-42344P 19970321 (60)
US 1997-41276P 19970321 (60)
US 1997-41281P 19970321 (60)
US 1997-48094P 19970530 (60)
US 1997-48350P 19970530 (60)
US 1997-48188P 19970530 (60)
US 1997-48135P 19970530 (60)
US 1997-50937P 19970530 (60)
US 1997-48187P 19970530 (60)
US 1997-48099P 19970530 (60)
US 1997-48352P 19970530 (60)
US 1997-48186P 19970530 (60)
US 1997-48069P 19970530 (60)
US 1997-48095P 19970530 (60)
US 1997-48131P 19970530 (60)
US 1997-48096P 19970530 (60)
US 1997-48355P 19970530 (60)
US 1997-48160P 19970530 (60)
US 1997-48351P 19970530 (60)
US 1997-48154P 19970530 (60)
US 1997-54804P 19970805 (60)
US 1997-56370P 19970819 (60)
US 1997-60862P 19971002 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE,
ROCKVILLE, MD, 20850

NUMBER OF CLAIMS: 23

EXEMPLARY CLAIM: 1

LINE COUNT: 15075

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L4 ANSWER 6 OF 6 USPATFULL on STN

TI Repair of larynx, trachea, and other fibrocartilaginous tissues
AB Provided herein are methods and devices for inducing the formation of
functional replacement **nonarticular cartilage**
tissues and ligament tissues. These methods and devices involve the use
of osteogenic proteins, and are useful in repairing defects in the
larynx, trachea, interarticular menisci, intervertebral discs, ear,
nose, ribs and other fibrocartilaginous tissues in a mammal.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER: 2001:165613 USPATFULL

TITLE: Repair of larynx, trachea, and other fibrocartilaginous
tissues

INVENTOR(S): Vukicevic, Slobodan, Zagreb, Croatia

Katic, Vladimir, Zagreb, Croatia

Sampath, Kuber T., Holliston, MA, United States

PATENT ASSIGNEE(S): Creative BioMolecules, Inc. (non-U.S. corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 2001024823 A1 20010927
APPLICATION INFO.: US 2001-828607 A1 20010406 (9)
RELATED APPLN. INFO.: Continuation of Ser. No. WO 1999-US17222, filed on 30
Jul 1999, UNKNOWN

NUMBER DATE

PRIORITY INFORMATION: US 1998-103161P 19981006 (60)

DOCUMENT TYPE: Utility

FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: FISH & NEAVE, 1251 AVENUE OF THE AMERICAS, 50TH FLOOR,
NEW YORK, NY, 10020-1105

NUMBER OF CLAIMS: 56

EXEMPLARY CLAIM: 1

LINE COUNT: 1859

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Refine Search

Search Results -

| Terms | Documents |
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| L8 and L7 | 0 |

Database:

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| US Patents Full-Text Database |
| US OCR Full-Text Database |
| EPO Abstracts Database |
| JPO Abstracts Database |
| Derwent World Patents Index |
| IBM Technical Disclosure Bulletins |

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side by side

DB=USPT; PLUR=YES; OP=OR

Hit Count Set Name result set

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| <u>L9</u> | L8 and 17 | 0 | <u>L9</u> |
| <u>L8</u> | slobodan.in. | 152 | <u>L8</u> |
| <u>L7</u> | L6 and (osteogenic device) | 131 | <u>L7</u> |
| <u>L6</u> | L4 and (implant) | 133 | <u>L6</u> |
| <u>L5</u> | L4 and osteogenic device | 1990698 | <u>L5</u> |
| <u>L4</u> | L3 and GDF | 225 | <u>L4</u> |
| <u>L3</u> | L2 and (BMP or OP) | 2757 | <u>L3</u> |
| <u>L2</u> | L1 and defect locus | 63704 | <u>L2</u> |
| <u>L1</u> | nonarticular cartilage repair or regeneration or regrowth | 180003 | <u>L1</u> |

END OF SEARCH HISTORY